

KENDRIYA VIDYALAYA GACHIBOWLI, HYDERABAD
SAMPLE PAPER 01 : PERIODIC TEST – 1 (2019 – 20)
CLASS – VII
MATHEMATICS


T.T. 1:30

M.M. 40

General Instructions:

1. All questions are compulsory.
2. Question paper is divided into four sections: Section A contains 10 Objective type questions each carry 1 mark, Section B contains 3 questions each carry 2 marks, Section C contains 4 questions each carry 3 marks and Section D contains 3 questions each carry 4 marks.

SECTION – A(1 marks each)

1. Write the statements “The sum of numbers x and 4 is 9” in the form of equations:
(a) $x - 4 = 9$ (b) $x + 4 = 9$ (c) $x + 9 = 4$ (d) none of these
2. Which is a solution of the equation $3x - 14 = 4$.
(a) $x = 2$ (b) $x = 3$ (c) $x = 4$ (d) $x = 6$
3. The mean of the first five whole number is _____.
(a) 2 (b) 5 (c) 3 (d) 4
4. The mode of the data 2, 2, 2, 3, 3, 4, 5, 5, 5, 6, 6, 8 is _____.
(a) 2 (b) 5 (c) 8 (d) 2 & 5 both
5. The tally mark  shows frequency _____.
(a) 4 (b) 5 (c) 0 (d) 3
6. What is the value of $\frac{2}{7} + \frac{3}{7}$
(a) $\frac{5}{14}$ (b) $\frac{5}{7}$ (c) $\frac{6}{7}$ (d) $\frac{35}{14}$
7. Which one of the following is improper fraction?
(a) $\frac{2}{3}$ (b) $\frac{5}{7}$ (c) $\frac{7}{4}$ (d) $\frac{1}{2}$
8. The integer succeeding - 9 is:
(a) - 10 (b) 10 (c) - 8 (d) 8
9. Sum of - 30 and - 12 is
(a) 42 (b) - 18 (c) - 42 (d) 18
10. Sum of two negative integers is always
(a) Positive (b) Negative (c) 0 (d) 1

SECTION – B(2 marks each)

11. (a) Write a pair of negative integers whose difference gives 8.
(b) Write a negative integer and a positive integer whose sum is -5.

12. The sum of three times a number and 11 is 32. Find the number.

13. Arrange $\frac{2}{9}$, $\frac{2}{3}$, $\frac{8}{21}$ in descending order.

SECTION – C(3 marks each)

14. Shyama bought 5 kg 300 g apples and 3 kg 250 g mangoes. Sarala bought 4 kg 800 g oranges and 4 kg 150 g bananas. Who bought more fruits? What are the benefits of eating fruits?

15. Find the product, using suitable properties:

(a) $26 \times (-48) + (-48) \times (-36)$ (b) $15 \times (-25) \times (-4) \times (-10)$

16. Solve the following equations.

(a) $-16 = -5(2 - p)$ (b) $10 = 4 + 3(t + 2)$

17. The runs scored in a cricket match by 11 players is as follows:

6, 15, 120, 50, 100, 80, 10, 15, 8, 10, 15

Find the mean, mode and median of this data. Are the three same?

SECTION – D(4 marks each)

18. Two hundred students of 6th and 7th class were asked to name their favourite colour so as to decide upon what should be the colour of their School Building. The results are shown in the following table. Represent the given data on a bar graph.

Favourite Colour	Red	Green	White	Yellow	Blue
Number of Students	43	19	55	49	34

Answer the following questions with the help of the bar graph:

- (i) Which is the most preferred colour and which is the least preferred?
- (ii) How many colours are there in all? What are they?

19. Set up equations and solve them to find the unknown numbers in the following cases:

- (a) Munna subtracts thrice the number of notebooks he has from 50, he finds the result to be 8.
- (b) Ibenhal thinks of a number. If she adds 19 to it and divides the sum by 5, she will get 8.

20. Manoj donated a rectangular plot combined with triangular plot for a school, in Mahuli village. Find the perimeters of (i) triangle ABE (ii) the rectangle BCDE in this figure. Whose perimeter is greater?

